Technische Universität Dresden - Faculty of Computer Science, Institute of Artificial Intelligence, Chair of Machine Learning for Robotics

TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world's most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

Research Associate / PostDoc (m/f/x)

At the Faculty of Computer Science, Institute of Artificial Intelligence, the Chair of Machine Learning for Robotics offers a position as Research Associate / PostDoc (m/f/x) (subject to personal qualification employees are remunerated according to salary group E 14 TV-L) starting as soon as possible. The position is initially limited until March 26, 2028. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). A shorter contract term is possible by arrangement.

City: Dresden; Starting date (earliest): At the earliest possible; Duration: initially limited until March 26, 2028; Remuneration: subject to personal qualification employees are remunerated according to salary group E 14 TV-L; Closing date: 27/11/25

Working field

— defining and leading new research directions in the field of Robotic Manipulation, and more generally Robot Learning, Touch Sensing, Robotics, and/or Machine Learning
— supervision of Bachelor/Master/PhD students
— engagement in teaching activities of the lab
— support of administrative processes of the lab, including grant writing

Requirements

— university and PhD degree in Computer Science, Electronics, Mechanical Engineering, Mechatronics or related fields
— past experience with Machine Learning algorithms and systems
— past experience with robot control and operation
— programming experience with ROS, C/C++, Python and/or PyTorch

— experience in operation and administration under Linux
— fluency in technical and non-technical English
— a high degree of independence, commitment, team spirit, and good communication skills in the support of our research team.
— (optional) past experience with multi-finger robotics hands
— (optional) past experience with tactile sensors

Application

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.
Please submit your detailed application with the usual documents by November 27, 2025 (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies), preferably via the TUD SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf file to roberto.calandra@tu-dresden.de or to:
TU Dresden, Institut für Künstliche Intelligenz, Prof. Dr.-Ing. Roberto Calandra, Helmholtzstr. 10, 01069 Dresden, Germany.
Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

TUD is a founding partner in the DRESDEN-concept alliance.
Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website:
https://tu-dresden.de/karriere/datenschutzhinweis.

More information at https://stellenticket.de/199354/TUB/
Offer visible until 27/11/25